

PROGRESS REPORT

GRANT NUMBER: 7310026

COLD CLIMATE HEAT PUMP DEMONSTRATION

COLD CLIMATE HOUSING RESEARCH CENTER

1/1/2013 – 3/31/2013

CCHRC Internet Web Site: http://www.cchrc.org
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Deliverables Submitted

CCHRC GSHP design documents and RTF GSHP data plan March were submitted via e-mail on March 25, 2013

Budget

Amount Invoiced: \$3,612.90

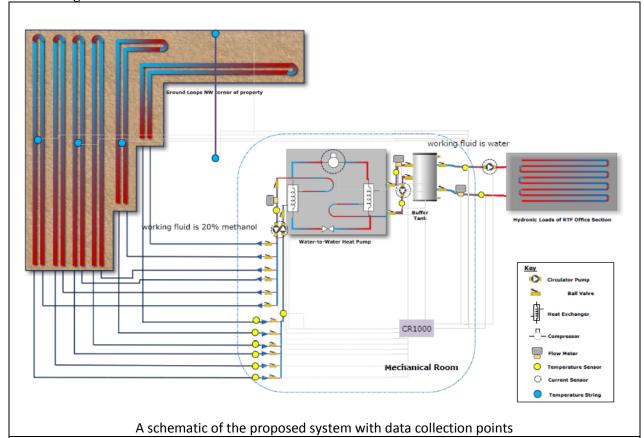
Schedule Status

We are keeping to the schedule laid out in the budget/milestones table.

Percent Complete

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	Start		
	Date	End Date	Percent Complete
Thermal Response Test	Sep-12	Oct-12	100%
Heat pump system design	Nov-12	Mar-13	100%
Update monitoring plan	Nov-12	Mar-13	100%
Ground loop installation	Jun-13	Jul-13	N/A
Heat pump installation	May-13	May-13	N/A
Data acquisition system installation	Jun-13	Aug-13	N/A
Commissioning	Sep-13	Sep-13	N/A
System monitoring and maintenance Year 1	Sep-13	Sep-14	N/A
System monitoring and maintenance Year 2	Sep-14	Sep-15	N/A
System monitoring and maintenance Year 3	Sep-15	Mar-16	N/A
Data analysis, LCCA, and draft report completion	Apr-16	Jun-16	N/A
Final project report	Jul-16	Jul-16	N/A

Work Progress



Heat pump system design – The system ground loop design is complete. The design documents are attached. CCHRC is just waiting for the weather that will allow for installation. These documents are attached.

Update monitoring plan – The data plan is drafted (attached) and will be used for the purchase and programming of the data collection system. The data plan will be finalized as installation of the system is completed.

Future Work

The installation of the system is the next step. The installation will take place as the weather allows.